

DEPARTMENT OF HEALTH AND HUMAN SERVICES

Food and Drug Administration

[Docket No. 01E-0365]

Determination ,of Regulatory Review Period for Purposes of Patent  
Extension; NEXIUM

AGENCY: Food and Drug Administration, HHS.

ACTION: Notice.

SUMMARY : The Food and Drug Administration (FDA) has determined  
the regulatory review period for NEXIUM and is publishing this  
notice of that determination as required by law. FDA has made  
the determination because of the submission of an application to  
the Commissioner of Patents and Trademarks, Department of  
Commerce, for the extension of a patent that claims that human  
drug product.

ADDRESSES: Submit written comments and petitions to the Dockets  
Management Branch (HFA-305); Food and Drug Administration, 5630 .  
Fishers Lane, rm. 1061, Rockville, MD 20852. Submit electronic  
comments to <http://www.fda.gov/dockets/ecomments>.

FOR FURTHER INFORMATION CONTACT:

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DMB  
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Certifier D. Hawkins

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SUPPLEMENTARY INFORMATION: The Drug Price Competition and Patent Term Restoration Act of 1984 (Public Law 98-417) and the Generic Animal Drug **and** Patent Term Restoration Act (Public Law 100-670) generally provide that a patent may be extended for a period of up to 5 years so long as the patented item (human drug product, animal drug product, medical device, food additive, or color additive) was subject to regulatory review by FDA before the item was marketed. Under these acts, a product's regulatory review period forms the basis for determining the amount of extension an applicant may receive.

A regulatory review period consists of two periods of time: A testing phase and an approval phase. For human drug products, the testing phase begins when the exemption to permit the clinical investigations of the drug becomes effective and runs until the approval phase begins. The approval phase starts with the initial submission of an application to market the human drug product and continues until FDA grants permission to market the drug product. Although only a portion of a regulatory review period may count toward the actual amount of extension that the Commissioner of Patents and Trademarks may award (for example, half the testing phase must be subtracted, as well as any time that may have occurred before the patent was issued), FDA's determination of the length of a regulatory review period for a human drug product will include all of the testing phase and approval phase as specified in 35 U.S.C. 156(g)(1)(B).

FDA recently approved for marketing the human drug product NEXIUM (esomeprazole magnesium). NEXIUM is indicated for: (1) healing of erosive esophagitis, (2) maintenance of healing of erosive esophagitis, and 3) treatment of symptomatic gastroesophageal reflux disease. Subsequent to this approval, the Patent and Trademark Office received a patent term restoration application for NEXIUM (U.S. Patent No. 4,738,974) from AstraZenica, and the Patent and Trademark Office requested FDA's assistance in determining this patent's eligibility for patent term restoration. In a letter dated October 2, 2001, FDA advised the Patent and Trademark Office that this human drug product had undergone a regulatory review period and that the approval of NEXIUM represented the first permitted commercial marketing or use of the product. Shortly thereafter, the Patent and Trademark Office requested that FDA determine the product's regulatory review period.

FDA has determined that the applicable regulatory review period for NEXIUM is 1,284 days. Of this time, 838 days occurred during the testing phase of the regulatory review period, while 446 days occurred during the approval phase. These periods of time were derived from the following dates:

1. The date an exemption under section 505(i) of the Federal Food, Drug, and Cosmetic Act (the act) (21 U.S.C. 355(i)) became effective: August 18, 1997. FDA has verified the

applicant's claim that the date the investigational new drug application became effective was on August 18, 1997.

2. The date the application was initially submitted with respect to the human drug product under section 505(b) of the act: December 3, 1999. FDA has verified the applicant's claim that the new drug application (NDA) for NEXIUM (NDA 21-153) was initially submitted on December 3, 1999.

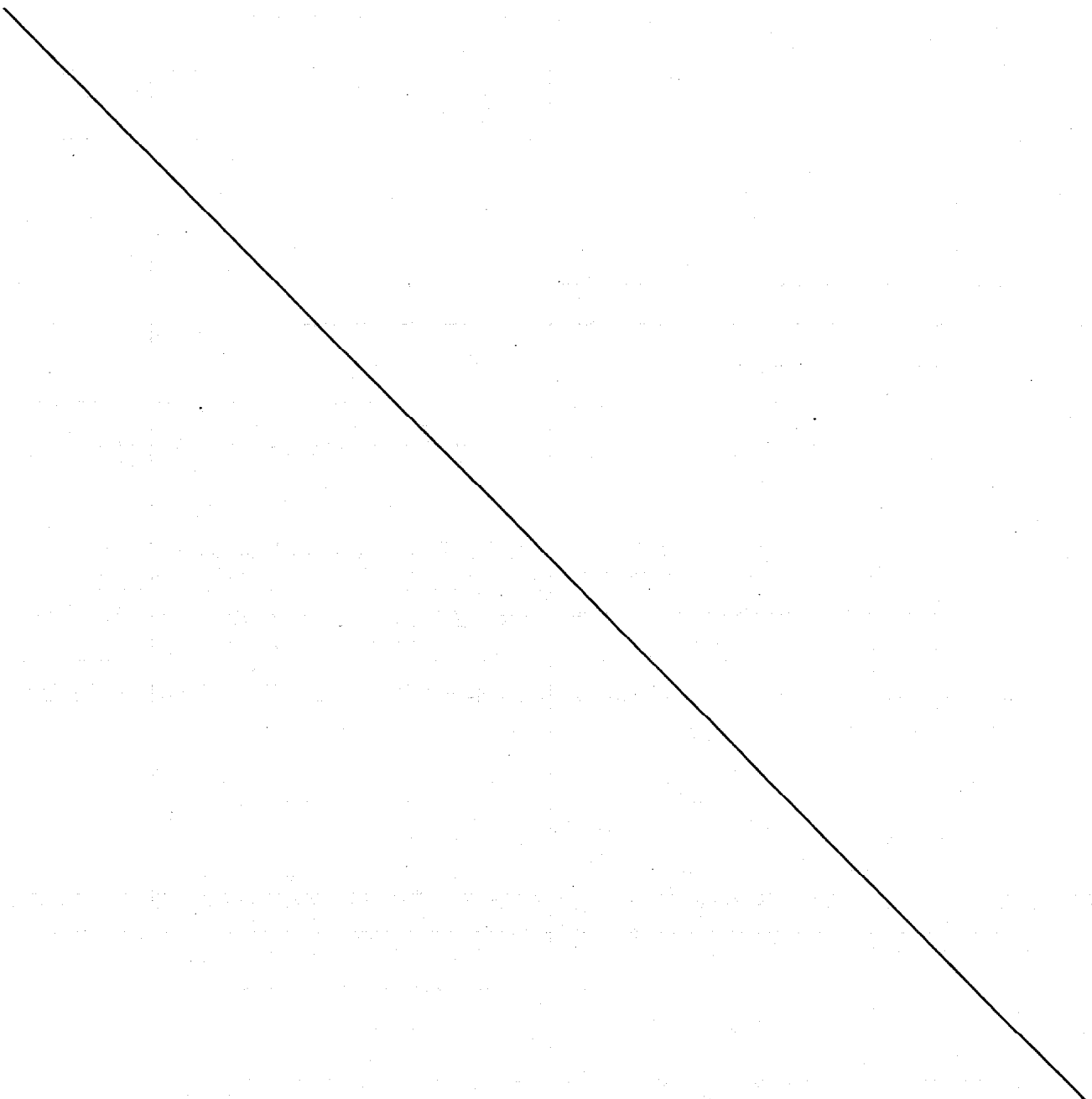
3. The date the application was approved: February 20, 2001. FDA has verified the applicant's claim that NDA 21-153 was approved on February 20, 2001.

This determination of the regulatory review period establishes the maximum potential length of a patent extension. However, the U.S. Patent and Trademark Office applies several statutory limitations in its calculations of the actual period for patent extension. In its application for patent extension, this applicant seeks 865 days of patent term extension.

Anyone-with knowledge that any of the dates as published is incorrect may submit to the Dockets Management Branch (address above) written or electronic comments and ask for a redetermination by [insert date 60 days after date of publication in the FEDERAL REGISTER]. Furthermore, any interested person may petition FDA for a determination regarding whether the applicant for extension acted with due diligence during the regulatory review period by [insert date 180 days after date of publication in the FEDERAL REGISTER]. To meet its burden, the

petition must contain sufficient facts to merit an FDA investigation. (See H. Rept. 857, part 1, 98th Cong., 2d sess., pp. 41-42, 1984.) Petitions should be in the format specified in 21 CFR 10.30.

Comments and petitions should be submitted to the Dockets Management Branch. Three copies of any information are to be submitted, except that individuals may submit one copy. Comments are to be identified with the



docket number found in brackets in the heading of this document.

Comments and petitions may be seen in the Dockets Management Branch between 9 a.m. and 4 p.m., Monday through Friday.

Dated:

1/24/02

January 24, 2002.

Jane A. Axelrad

Jane A. Axelrad  
Associate Director for Policy  
Center for Drug Evaluation and Research

CERTIFIED TO BE A TRUE  
COPY OF THE ORIGINAL

Dawn P. Hawkins